International application No. PCT/JP2004/014546

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl<sup>7</sup> H05K3/46, H05K3/40, B05C11/02 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) Int.Cl<sup>7</sup> H05K3/46, H05K3/40, B05C11/02 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho Toroku Jitsuyo Shinan Koho 1922-1996 1994-2005 Kokai Jitsuyo Shinan Koho 1971-2005 Jitsuyo Shinan Toroku Koho 1996-2005 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Category\* Relevant to claim No. JP 2003-133743 A (Matsushita Electric X 1-3, 9, 24Y Industrial Co., Ltd.), 4 - 809 May, 2003 (09.05.03), Par. Nos. [0013] to [0018]; Figs. 1, 3 (Family: none) Y JP 11-220262 A (Matsushita Electric Industrial 4,6,8 Co., Ltd.), 10 August, 1999 (10.08.99), Par. Nos. [0023] to [0025], [0067] to [0074], [0128] & US 6038133 A & US 6338767 B1 & US 2002/0036054 A1 & EP 0920058 A2 Further documents are listed in the continuation of Box C. See patent family annex. Special categories of cited documents: later document published after the international filing date or priority document defining the general state of the art which is not considered date and not in conflict with the application but cited to understand to be of particular relevance the principle or theory underlying the invention earlier application or patent but published on or after the international document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive document which may throw doubts on priority claim(s) or which is step when the document is taken alone cited to establish the publication date of another citation or other document of particular relevance; the claimed invention cannot be special reason (as specified) considered to involve an inventive step when the document is document referring to an oral disclosure, use, exhibition or other means "O" combined with one or more other such documents, such combination being obvious to a person skilled in the art document published prior to the international filing date but later than the "P priority date claimed document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 09 February, 2005 (09.02.05) 01 March, 2005 (01.03.05) Name and mailing address of the ISA/ Authorized officer Japanese Patent Office Telephone No. Facsimile No. Form PCT/ISA/210 (second sheet) (January 2004)

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C (Continuation).	DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
Y	JP 61-288498 A (Murata Mfg. Co., Ltd.), 18 December, 1986 (18.12.86), Page 2, upper right column, line 20 to lower left column, line 16; Fig. 3 (Family: none)		5
Y .	JP 2003-243835 A (Hitachi Chemical Co., Ltd.), 29 August, 2003 (29.08.03), Par. Nos. [0006] to [0009], [0025]; table 1 (Family: none)		7
P, X	EP 1351301 A2 (MATSUSHITA ELECTRIC INDUS CO., LTD.), 08 October, 2003 (08.10.03), Par. Nos. [0061], [0071] to [0081], [0099 [0107]; Figs. 2, 6 & US 2003/0189246 A1 & JP 2004-6757 A Par. Nos. [0043], [0053] to [0063], [0081 [0089]; Figs. 2, 6	) to	1-3,6,8,9,24
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Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
1. Claims	search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:  Nos.: they relate to subject matter not required to be searched by this Authority, namely:
2. Claims in because the extent the	Nos.: they relate to parts of the international application that do not comply with the prescribed requirements to such an nat no meaningful international search can be carried out, specifically:
3. Claims No because	Nos.: they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
The invented with an electron sulation. The invented forming a continued l. As all required.	Searching Authority found multiple inventions in this international application, as follows: entions of claims 2-9, and 24 relate to a module with an embedded and a method of producing the module, where the module is embedded lectronic component in a cavity formed in an electric insulation where a side face of a via conductor penetrating through the electric in sheet is continuous. In the sheet is continuous. In a sheet is a via hole in an electric insulation sheet. In the sheet in a via hole in an electric insulation sheet. In the sheet in t
ciaims.	chable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of
3. As only so only those	ome of the required additional search fees were timely paid by the applicant, this international search report covers claims for which fees were paid, specifically claims Nos.:
No require restricted t	ed additional search fees were timely paid by the applicant. Consequently, this international search report is to the invention first mentioned in the claims; it is covered by claims Nos.: 1-9, and 24
Remark on Protest	The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.

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### Continuation of Box No.III of continuation of first sheet (2)

Further, a method of producing a module with an embedded component by the following method is disclosed in document JP 2003-133743 A (Matsushita Electric Industrial Co., Ltd.), 09 May, 2003 (09.05.03), paragraphs [0013]-[0018], Fig. 1, the method being forming a cavity in an electric insulation sheet, forming a via hole in the electric insulation sheet in a penetrating manner, filling an electrically conductive paste in the via hole, providing a first circuit board, on which an electronic component is mounted, on that surface of the electric insulation sheet in which the cavity is formed, providing a second circuit board on the opposite surface, and laminating them by heating and pressing.

Still further, forming a cavity in an electric insulation sheet by laminating another electric insulating sheet on one main surface of the electric insulation sheet, where a penetration section is formed, so as to cover the penetration section is a conventional well-known technique as described in JP 60-100454 A.

As a consequence, the invention of claim 1 makes no contribution over the prior art, and therefore, any matter dependent on claim 1 is not a special technical feature within the meaning of PCT Rule 13.2, second sentence. As a result, there exist no "special technical feature," within the meaning of PCT Rule 13.2, second sentence, common to the inventions of claims 1-24.